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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/901,010	07/10/2001	Lee A. Walker	3540-US	7649
56436	7590	06/09/2006	EXAMINER	
3COM CORPORATION 350 CAMPUS DRIVE MARLBOROUGH, MA 01752-3064			HOSSAIN, TANIM M	
			ART UNIT	PAPER NUMBER
			2145	

DATE MAILED: 06/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/901,010	Applicant(s) WALKER ET AL.	
	Examiner Tanim Hossain	Art Unit 2145	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 March 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1, 12, 13, 15, 19, 20 and 24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 12, 13, 15, 19, 20 and 24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 12, 13, 19, 20, and 24 are rejected by Gardner (U.S. 2003/0198247) in view of Crayford (U.S. 5,610,903).

As per claim 1, Gardner teaches a method of checking configurations on a network including performing automated remote monitoring of each of a plurality of managed devices in the network, the remote monitoring comprising: for each port of a plurality of ports of each of said plurality of managed devices on the network, discovering configuration information for each port and its respective associated link to a respective other device, said configuration information for said port and said respective other device a respective duplex state and data transmission speed (paragraph 0015, 0021; where the auto-negotiation process indicates the duplex state of the ports; and where the operation at different speeds is disclosed, so the data transmission speed is indicated); applying a series of interrogations to the configuration information to determine whether said each port and associated link conform to at least one predetermined configuration criterion for each of said duplex state and data transmission speed (0010, 0016, 0021; where the process of auto-negotiation employs queries and tests to decipher in which mode the link is operating); and when the configuration of said each port and associated link does not conform to

said at least one predetermined configuration criterion, providing an indication of the non conformity that has been determined (0010, 0016; where the lack of success in auto-negotiation is indicated by various signs). Gardner does not specifically teach the per se accessing of configuration information, but rather teaches the discovery of the configuration information through the auto-negotiation process. Crayford teaches the accessing of port configuration information (Abstract; column 5, lines 15-36). It would have been obvious to one of ordinary skill in the art at the time of the invention to include the ability to actively access configuration information, as taught by Crayford in the system of Gardner. The motivation for doing so lies in the fact that actively accessing configuration information would better enable the process of negotiating links. Both inventions are from the same field of endeavor, namely the automatic negotiation of links.

As per claim 12, Gardner-Crayford further teaches a method in which the interrogations determine whether said each port and a port at the other end of said associated link are running the same duplex mode (Gardner: 0010, 0016).

As per claim 13, Gardner-Crayford further teaches a method in which the interrogations determine whether ports at both ends of said associated link are capable of full duplex operation (Gardner: 0010, 0016).

As per claim 19, Gardner-Crayford further teaches a method in which the interrogations determine whether auto-negotiation is switched on at both ends of the link (Gardner: 0010, 0016; Crayford: Abstract, column 5, lines 15-36).

As per claim 20, Gardner-Crayford further teaches a method in which the interrogations determine whether each said port has been set to run at a fixed speed less than its maximum

Art Unit: 2145

capability with auto-negotiation (Gardner: 0010, 0016; Crayford: Abstract, column 5, lines 15-36).

Claim 24 is rejected under Gardner-Crayford on the same basis as claim 1, as claim 24 discloses a media implementation of claim 1.

Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over Gardner-Crayford in view of Malalur (U.S. 6,879,588).

As per claim 15, Gardner-Crayford teaches a method as in claim 1 in which said respective other device is a managed device and said series of interrogations determine link characteristics, and whether these links are enabled (Gardner: 0010, 0016; Crayford: Abstract, column 5, lines 15-36). Gardner-Crayford does not specifically teach the determination of trunk links and whether they are enabled. Malalur teaches the automatic detection and enabling of trunk links (column 25, lines 51-67). It would have been obvious to one of ordinary skill in the art at the time of the invention to include the ability to detect, through queries, the existence of trunk links and whether they are enabled, as taught by Malalur in the system of Gardner-Crayford. The motivation for doing so lies in the fact that having a trunk link detection system would add another functionality to Gardner-Crayford's system, allowing for further versatility. All inventions are from the same field of endeavor, namely the efficient configuration of network components.

Response to Arguments

Applicant's arguments filed on March 24, 2006 have fully been considered and are now rendered moot by the new grounds of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tanim Hossain whose telephone number is 571/272-3881. The examiner can normally be reached on 8:30 am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Cardone can be reached on 571/272-3933. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Tanim Hossain
Patent Examiner
Art Unit 2145


JASON CARDONE
SUPERVISORY PATENT EXAMINER